

**EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

1. This communication is an Examiner's reasons for allowance in response to application filed on 10/24/05, assigned serial 10/537475 and title "Dynamic guidance for close-in maneuvering combat".

2. The following is the Examiner's statement of reasons for the indication of allowable subject matter:

After carefully reviewing the application in light of the amended claims and the additional search of all the possible areas relevant to the present application, a set of related prior art references has been found, but those prior art references are not deemed strong to make the application unpatentable. Thus, it is found that the application is now in condition for allowance.

As per claim 1, the prior art of record does not disclose a system for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat, the system comprising: an assessment and guidance software application implemented on the at least one computer for providing in real-time automatic situation assessment, generating dynamically at least one indication related to the at least one close-in air combat and communicating the at least one indication as guidance to the operating crew of the at least one aerial vehicle, wherein automatic situation assessment relates to a situation of a dog fight air combat between two aircraft vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 27, the prior art of record does not disclose a method for optimizing a performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment data and by generating

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dynamically at least one instruction and by communicating the at least one instruction as guidance to the operating crew of the at least one aerial vehicle, the method comprising the steps of: obtaining aircraft weapon system characteristics information; and analyzing the situation between the at least two aerial vehicles and mapping the analyzed situation in relation to previously analyzed situations between the at least two aerial vehicles; determining at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; generating at least one recommendation concerning a preferred maneuvering of the at least one aerial vehicle based on the analyzed situation between the at least two aerial vehicles, aircraft characteristics and aircraft weapon system characteristics information. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

As per claim 30, the prior art of record does not disclose an apparatus for optimizing the performance of an operating crew of at least one aerial vehicle during at least one close-in air combat by providing in real-time automatic situation assessment, the apparatus comprising: analyzing the situation between tile at least two aerial vehicles and mapping the analyzed situation in relation to the previously analyzed situations between at least two aerial vehicles; based on the analysis determine at least one optimal state of the at least one aerial vehicle based on the at least one optimal air combat situation between the at least two aerial vehicles; and generating at least one recommendation based on the at least one optimal future potential air combat situation between the at least two aerial vehicles. This limitation in combination with the other elements in the claim was not shown or suggested by the prior art.

Claims 1-14, 16, 18-22, and 27-36, are allowable over the prior art of record.

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dalena Tran/  
Primary Examiner, Art Unit 3664  
June 12, 2009

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